**Navya E**

Experienced and Enthusiastic IT Professional with 4.6 years of experience in cloud operations and system administration. Proficient in developing and implementing efficient CI/CD pipelines, ensuring optimal infrastructure maintenance, and executing effective configuration management and application containerization**.** Possesses strong critical thinking skills, adaptability, and effective communication, fostering collaborative teamwork.

**Personal Information:**

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**Professional Summary:**

* Hands on experience with AWS services like **EC2, S3, RDS, VPC, ELB, ELB, Cloud Watch,** and **Auto Scaling.**
* Experience with creating custom users and groups on an **IAM** console.
* Hands on and good knowledge about **CI/CD** Pipeline integrations.
* Troubleshoot the build issue during the **Jenkins** build process.
* Wrote **Python Scripts** to automate the build process
* Experience in working on source controller tool like **GIT**.
* Worked with container-based deployments using **Docker** and **Docker images**.
* Orchestration of **Docker images** and containers using **Kubernetes** by crating whole **master** and node extensively worked on Jenkins.
* Experience in **configuration management** tool like **Ansible**.
* Proficient with **Shell Scripting**, **Python, YAML, Groovy** Languages.
* Experience in using **Bug Tracking** tool like **Jira**
* Installed, configured, Managed **Monitoring** tool such as **Prometheus Grafana, Cloud Watch**.
* Good Understanding of the principles and best practices of software configuration management (**SCM**) in **Agile Scrum methodology**.
* Remotely configured servers using **Ansible**.
* Hands on experience on remote tools **SSH, Putty**.
* Experience in setting up project baselines, branching strategies, merging and taking regular backups of the source code.

**Technical Skills:**

* **Operating System**: Linux (REDHAT, UBUNTU, CENTOS), Windows server,
* **AWS**: EC2, S3, Lambda, IAM, VPC, Cloud Watch, Cloud Formation, Route 53, SNS, Autoscaling, Load balancing.
* **Monitoring**: Prometheus Grafana, Cloud Watch, Splunk
* **Cloud Technologies**: AWS
* **Scripting and Programming**: Shell, Python, YAML, Groovy
* **Ticketing tool**: JIRA, Service Now
* **Version Control**: GIT
* **Continuous Integration**: Jenkins
* **Configuration Management tool**: Ansible
* **Containerization**: Docker
* **Infrastructure as code**: Terraform.

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Academic Qualification:

B.com (computers) – Anish Degree College - 2018

Intermediate – Anish college of commerce - 2015

SSC- Vaidehi Dolphin high school - 2013

Work Experience:

IT ANALYST

Goldman Sachs: 08/2021 – 03/2023

* Working on **AWS** cloud to provision new instances, **S3**, storage Services, **EC2** and **cloud watch** services.
* Migrated and maintained **build** and **test** environments into the **cloud infrastructure**.
* Managed network security **load balancer**, **Auto Scaling**, **Security groups** and **NACL**.
* Created **Route tables** to route the traffic to find whether it is public or **private network**.
* Configured **S3 Versioning** and lifecycles policies to and backup files and archive files in **Glacier**.
* Launched and configured Amazon EC2 cloud servers using **AMI’s** and configured the servers for specified applications.
* Managed **GIT** artifactories for **branching, Merging, tagging**.
* Used **JIRA** to **track issues** and change management.
* Wrote multiple **Python** Scripts
* Worked with development team to generate deployment profiles (**jar, war, ear**) using **MAVEN** Scripts.
* Responsible for Continuous Integration and Continuous Delivery **(CI-CD) process** implementation using **Jenkins** along with shell scripts and automate routine jobs.
* Setup of **Master/Slave** machines to distribute the **Jenkins Workload**
* Designed **Docker files** for creating customized **docker images**.
* Implemented docker at the level of production using **docker swarm** and **Kubernetes**.
* Designed **Ansible Playbooks** and **Roles** for configuration of applications.
* Experience working on **Terraform**, which is used to created and compose all the components necessary to run an application.
* Expertise in **Troubleshooting** DevOps related **build** and **Scripting issues**.
* Evaluate and recommend new and emerging security products and technologies.

Senior Fraud Specialist:

Synchrony International Services: 09/2020 – 06/2021

* I was responsible for automation and **orchestration** of **cloud services** offering on **AWS**
* Worked with Product Owners to understand desired application capabilities and testing scenarios
* Installed the application on **AWS EC2 AMI, Red hat, Ubuntu** Instances.
* Worked on **Multi Project** jobs in **Jenkins** and used pipeline plugins to manage them.
* **Built** Scripts using **MAVEN** build tools in Jenkins.
* Experience installing, **monitoring** and configuration of **Linux** machine.
* Managed and installed software packages on various Linux distributions.
* Implemented internal controls to maintain integrity and accuracy of financial records.
* Produced detailed reports of fraud investigations and presented findings to senior management.
* Designed and implemented scalable, secure cloud architecture based on Amazon Web Services.

Analyst- Helpdesk:

C3i Solutions: 06/2018 – 03/2020

* Ensuring system availability, performance, capacity, and continuity through proper response to incidents, events and problems
* Experience with docker container technology
* Experience with provisioning and managing Virtual Machines.
* Created Customized Docker Images
* Expertise in writing in Docker files
* Support on servers, including security configurations, patching, and troubleshooting
* Strong knowledge on different types of data types
* Resolve system emergencies with impact on the integrity of user data and systems
* Work with IT application teams to schedule servers for patching
* Run reports to verify all the patches have been applied
* Verify servers have rebooted during the agreed upon maintenance schedule
* Manage and monitor server resources
* Trouble shooting and Provide On-call assistance for the incidents raised on JIRA.

Projects #1

**Organization** : Goldman Sachs

**Position** : IT Analyst

**Project Name** : ECM (Electronic Content Management)

**Description**  : Hyland Software was established in 1991 Managing information more than 19,000 organizations handle their most critical content and processes with flexible, configurable software solutions

**Duration** : Aug 2021 – March 2023

Roles & Responsibility: -

Creating CI/CD pipelines by integrating Jenkins with Git, Maven and Tomcat.

Responsible for end-to-end Docker components support.

Setup docker private registry to store customized docker images

Tools GIT, GitHub, Build tools like Ant and Maven, CI tool like Jenkins.

Built up CI/CD pipeline using Git, Ant, Maven and Jenkins for JAVA applications.

Created Jenkins jobs for CI & CD process.

Automate the build and Deployment Process Using Maven, Git and Jenkins.

Performed remote configuration of servers using Ansible

Branching, Tagging, Release Activities on Version Control Tool GIT.

Created nodes in Jenkins for load balancing and created user and permission in Jenkins.

Creating new jobs in Jenkins and managing the build related issues.

Coordinating with the Development team to fix the Build related issues.

Installing Plug-in in Jenkins as per project requirements.

Coordinate/assist developers with establishing and applying appropriate branching, merging conventions using GIT source control.

Responsible for design and implementation of polices, branching methodologies.

Configured and maintained Jenkins to implement the CI process and integrated the tool with Ant and Maven to schedule the builds and automated the deployment on the application servers using the “code deploy” plugin for Jenkins.

Installing, configuring and maintaining different tool using Configuration Management tools like Ansible.

Project#2

**Organization** : Synchrony International services

**Position** : Sr. Specialist Fraud

**Project Name** : Linkshare (Rakuten marketing),

**Description** : Rakuten Link-share is the world's largest affiliate network of affiliate marketing experience founded in 1996.

**Duration** : Sep 2020 – June 2021

Roles & Responsibility: -

Implemented end-to-end CI/CD pipeline for a Java-based E-commerce website using Jenkins, Docker, Kubernetes, Ansible, AWS services, Python. Pip, Terraform, and Linux.

Conﬁgured cloud infrastructure in AWS using Terraform and created secure password less SSH connections between Jenkins, Ansible, K8s Master, and Jenkins-slave.

Installed Jenkins and Docker on the same server and provided necessary permissions to execute Docker commands.

Created Ansible Controller and managed servers for QA and Prod environments. Created KOPS server and K8S Master and slaves for Prod environment.

Downloaded Java-based code from GitHub, built the artifact using Maven, and created a custom Docker image with the artifact.